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(71)Applicant: GE MEDICAL SYSTEMS GLOBAL

TECHNOLOGY CO LLC

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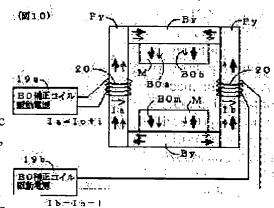
(72)Inventor: GOTO TAKAO

MIYAMOTO SHOEI

## (54) METHOD OF CORRECTING STATIC MAGNETIC FIELD AND MRI APPARATUS (57) Abstract:

PROBLEM TO BE SOLVED: To correct the intensity and uniformity coefficient of the static magnetic field of an MRI apparatus.

SOLUTION: Correcting currents Ia and Ib are supplied from B0 correcting coil drive sources 19a and 19b respectively to B0 correcting coils 20 attached to a pair of support yokes Py located at opposite positions with the imaging region inbetween, and correcting magnetic fields B0a and B0b, different either in the direction or the strength, are generated by the B0 correcting coils 20 to be applied to a static magnetic field B0m generated from a permanent magnet M. As a result, the excess and shortage of the intensity of the static magnetic field at the center of the imaging region is compensated with the zero- order component Io of the correcting currents Ia and Ib, and the primary ununiformity of the static magnetic field is compensated with the primary component (i).



## **LEGAL STATUS**

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